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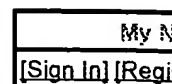
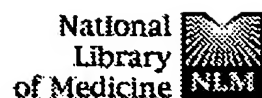
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- Vesicular stomatitis virus as an oncolytic vector.
Viral Immunol. 2004;17(4):516-27. Review.
PMID: 15671748 [PubMed - indexed for MEDLINE]
- ☐ 2: [Shinozaki K, Ebert O, Woo SL.](#) [Related Articles,](#)
- Eradication of advanced hepatocellular carcinoma in rats via repeated hepatic arterial infusions of recombinant VSV.
Hepatology. 2005 Jan;41(1):196-203.
PMID: 15619242 [PubMed - indexed for MEDLINE]
- ☐ 3: [Shinozaki K, Ebert O, Woo SL.](#) [Related Articles,](#)
- Treatment of multi-focal colorectal carcinoma metastatic to the liver of immunocompetent and syngeneic rats by hepatic artery infusion of oncolytic vesicular stomatitis virus.
Int J Cancer. 2005 Apr 20;114(4):659-64.
PMID: 15609320 [PubMed - in process]
- ☐ 4: [Ebert O, Harbaran S, Shinozaki K, Woo SL.](#) [Related Articles,](#)
- Systemic therapy of experimental breast cancer metastases by mutant vesicular stomatitis virus in immune-competent mice.
Cancer Gene Ther. 2004 Nov 26; [Epub ahead of print]
PMID: 15565179 [PubMed - as supplied by publisher]
- ☐ 5: [Ahmed M, Cramer SD, Lyles DS.](#) [Related Articles,](#)
- Sensitivity of prostate tumors to wild type and M protein mutant vesicular stomatitis viruses.
Virology. 2004 Dec 5;330(1):34-49.
PMID: 15527832 [PubMed - in process]
- ☐ 6: [Lichty BD, Stojdl DF, Taylor RA, Miller L, Frenkel I, Atkins H, Bell JC.](#) [Related Articles,](#)
- Vesicular stomatitis virus: a potential therapeutic virus for the treatment of hematologic malignancy.
Hum Gene Ther. 2004 Sep;15(9):821-31.
PMID: 15353037 [PubMed - indexed for MEDLINE]
- ☐ 7: [Connor JH, Naczki C, Koumenis C, Lyles DS.](#) [Related Articles,](#)
- Replication and cytopathic effect of oncolytic vesicular stomatitis virus in hypoxic tumor cells in vitro and in vivo.


J Virol. 2004 Sep;78(17):8960-70.
PMID: 15308693 [PubMed - indexed for MEDLINE]

-  **8:** Duntsch CD, Zhou Q, Jayakar HR, Weimar JD, Robertson JH, Pfeffer LM, Wang L, Xiang Z, Whitt MA. Related Articles,

 **Recombinant vesicular stomatitis virus vectors as oncolytic agents in the treatment of high-grade gliomas in an organotypic brain tissue slice-glioma coculture model.**


J Neurosurg. 2004 Jun;100(6):1049-59.
PMID: 15200120 [PubMed - indexed for MEDLINE]

-  **9:** Ebert O, Shinozaki K, Kournioti C, Park MS, Garcia-Sastre A, Woo SL. Related Articles,

 **Syncytia induction enhances the oncolytic potential of vesicular stomatitis virus in virotherapy for cancer.**


Cancer Res. 2004 May 1;64(9):3265-70.
PMID: 15126368 [PubMed - indexed for MEDLINE]

-  **10:** Shinozaki K, Ebert O, Kournioti C, Tai YS, Woo SL. Related Articles,

 **Oncolysis of multifocal hepatocellular carcinoma in the rat liver by hepatic artery infusion of vesicular stomatitis virus.**


Mol Ther. 2004 Mar;9(3):368-76.
PMID: 15006603 [PubMed - indexed for MEDLINE]

-  **11:** Balachandran S, Barber GN. Related Articles,


 **Defective translational control facilitates vesicular stomatitis virus oncolysis**


Cancer Cell. 2004 Jan;5(1):51-65.
PMID: 14749126 [PubMed - indexed for MEDLINE]

-  **12:** Porosnicu M, Mian A, Barber GN. Related Articles,


 **The oncolytic effect of recombinant vesicular stomatitis virus is enhanced by expression of the fusion cytosine deaminase/uracil phosphoribosyltransferase suicide gene.**


Cancer Res. 2003 Dec 1;63(23):8366-76.
PMID: 14678998 [PubMed - indexed for MEDLINE]

-  **13:** Bergman I, Whitaker-Dowling P, Gao Y, Griffin JA, Watkins SC. Related Articles,

 **Vesicular stomatitis virus expressing a chimeric Sindbis glycoprotein containing an Fc antibody binding domain targets to Her2/neu overexpressing breast cancer cells.**


Virology. 2003 Nov 25;316(2):337-47.
PMID: 14644615 [PubMed - indexed for MEDLINE]

-  **14:** Stojdl DF, Lichty BD, tenOever BR, Paterson JM, Power AT, Knowles S, Marius R, Reynard J, Poliquin L, Atkins H, Brown EG, Durbin RK, Durbin JE, Hiscott J, Bell JC. Related Articles,











 **VSV strains with defects in their ability to shutdown innate immunity are potent systemic anti-cancer agents.**

Cancer Cell. 2003 Oct;4(4):263-75.
PMID: 14585354 [PubMed - indexed for MEDLINE]

-  **15:** Giedlin MA, Cook DN, Dubensky TW Jr. Related Articles,

 **Vesicular stomatitis virus: an exciting new therapeutic oncolytic virus candidate for cancer or just another chapter from Field's Virology?**

Cancer Cell. 2003 Oct;4(4):241-3. Review.
PMID: 14585348 [PubMed - indexed for MEDLINE]

-  **16:** [Huang TG, Ebert O, Shinozaki K, Garcia-Sastre A, Woo SL.](#) [Related Articles.](#)
 **Oncolysis of hepatic metastasis of colorectal cancer by recombinant vesicular stomatitis virus in immune-competent mice.**
Mol Ther. 2003 Sep;8(3):434-40.
PMID: 12946316 [PubMed - indexed for MEDLINE]
-  **17:** [Obuchi M, Fernandez M, Barber GN.](#) [Related Articles.](#)
 **Development of recombinant vesicular stomatitis viruses that exploit defective host defense to augment specific oncolytic activity.**
J Virol. 2003 Aug;77(16):8843-56.
PMID: 12885903 [PubMed - indexed for MEDLINE]
-  **18:** [Ebert O, Shinozaki K, Huang TG, Savontaus MJ, Garcia-Sastre A, Woo SL.](#) [Related Articles.](#)
 **Oncolytic vesicular stomatitis virus for treatment of orthotopic hepatocellular carcinoma in immune-competent rats.**
Cancer Res. 2003 Jul 1;63(13):3605-11.
PMID: 12839948 [PubMed - indexed for MEDLINE]
-  **19:** [Fernandez M, Porosnicu M, Markovic D, Barber GN.](#) [Related Articles.](#)
 **Genetically engineered vesicular stomatitis virus in gene therapy: application for treatment of malignant disease.**
J Virol. 2002 Jan;76(2):895-904.
PMID: 11752178 [PubMed - indexed for MEDLINE]
-  **20:** [Balachandran S, Porosnicu M, Barber GN.](#) [Related Articles.](#)
 **Oncolytic activity of vesicular stomatitis virus is effective against tumors exhibiting aberrant p53, Ras, or myc function and involves the induction of apoptosis.**
J Virol. 2001 Apr;75(7):3474-9.
PMID: 11238874 [PubMed - indexed for MEDLINE]

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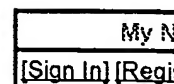
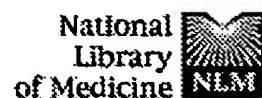
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21: Stojdl DF, Lichty B, Knowles S, Marius R, Atkins H, Sonenberg N, Bell JC. Related Articles.

Exploiting tumor-specific defects in the interferon pathway with a previous unknown oncolytic virus.
Nat Med. 2000 Jul;6(7):821-5.
PMID: 10888934 [PubMed - indexed for MEDLINE]

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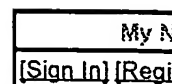
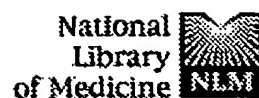
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Treatment of multi-focal colorectal carcinoma metastatic to the liver of immunocompetent and syngeneic rats by hepatic artery infusion of oncolytic vesicular stomatitis virus.

Int J Cancer. 2005 Apr 20;114(4):659-64.
PMID: 15609320 [PubMed - in process]

☐ 2: [Lichty BD, Power AT, Stojdl DF, Bell JC.](#)

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Vesicular stomatitis virus: re-inventing the bullet.

Trends Mol Med. 2004 May;10(5):210-6.
PMID: 15121047 [PubMed - in process]

☐ 3: [Shinozaki K, Ebert O, Kournioti C, Tai YS, Woo SL.](#)

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☐ 6: [Huang TG, Ebert O, Shinozaki K, Garcia-Sastre A, Woo SL.](#)

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Viruses can render services to mankind. 1. Retroviruses pinpoint and transduce cellular oncogenes. 2. Retroviral vectors can introduce antioncogenes (the R1 gene) into malignant cells thus rendering the recipient cells nonmalignant. 3. Oncolytic viruses lyse tumor cells. 4. Parvoviruses replicate only in dividing and exert lysis and antioncogene effect in tumor cells without affecting resting normal cells. 5. Myxo- and paramyxoviruses (and other viruses) upgrade the immunogenicity of cell surface antigens thus eliciting rejection type host immunity against these cells which is operational against not virus-infected cells of the same type (post-oncolytic antitumor immunity). 6. Viruses or virally infected cells (including tumor cells) induce the production of lymphokines and cytokines (interferons, interleukins and tumor necrosis factor) and activate NK cells and specific immune T cells cytotoxic to virus-infected cells (including tumor cells). 7. Measles virus may activate suppressor cells and both directly infecting lymphoma cells) and indirectly (by inducing molecular mediators of suppressor mononuclear cells inhibitory to the growth of neoplastic lymphoid hematopoietic cells) induce remissions of lympho- and hematopoietic malignancies. 8. Retroviral vectors deliver genes into tumor cells for encoding new surface antigens that render the tumor cells highly antigenic and more vulnerable to rejection type immune reactions of the host. Examples illustrate statement. Immunotherapy of tumors with active tumor-specific immunization after the induction of suppressor cells by fetal antigens and the elimination of proliferating suppressor clones by cyclophosphamide will again be proposed.

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1: Int Rev Immunol. 1991;7(4):259-87.

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Viral oncolysates as human tumor vaccines.

Sinkovics JG.

Cancer Institute, St. Joseph's Hospital, Tampa, Florida.

Postoncolytic immunity entails immune reactions acquired through an oncolytic virus infection or through repeated immunizations with viral oncolysates (or virally modified tumor cell membranes) that are valid and operational also against virally not modified tumor cells of the same type. NK cells react to budding virions, induce target cell lysis primarily but not exclusively by the production of granzymes and pore-forming proteins and operate without direction from macrophage cells. In contrast, immune T cells (including some TIL) are MHC-restricted, under the direction of memory cells and lyse target cells primarily but not exclusively by the release of lymphotoxin (TNF beta) causing programmed cell death (apoptosis) through endonuclease activation and target cell DNA fragmentation. This author proposes that it is not NK, but the immune T cells that mediate postoncolytic immunity. Oncogene amplification may protect immortalized tumor cells even when expressing peptide antigens through MHC molecules against lymphotoxin-mediated apoptosis; but virally-infected tumor cells releasing budding virions remain susceptible to NK cells. Highly immunogenic viral oncolysates should present both budding virions for NK cell killing and processed viral and tumoral peptide antigens co-jointly for immune T cell activation.

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